



Licensed Building Practitioner Scheme

Request for feedback on proposed amendments to competencies for the following licence classes:

- **Bricklaying and Blocklaying**
- **Design**
- **External Plastering**

Why we are contacting you

The Ministry of Business, Innovation and Employment (MBIE) is proposing to make some minor changes to competencies for three Licensed Building Practitioner (LBP) licence classes; Bricklaying and Blocklaying, Design, and External Plastering. We are seeking your feedback on the proposals. The process for providing your feedback is explained below under “**How to give feedback**”.

MBIE reviewed the licence class competencies during 2013 and 2014 with assistance from the [Building Practitioners Board](#).

This is the first time the competencies have been reviewed since the Scheme’s inception in 2007. The proposed changes are mainly technical in nature (i.e. there is no policy change required).

The proposed changes will:

- update or clarify current competencies to improve competency definition and structure, and
- add an area of practice (stucco) to the External Plastering licence class to reflect changes in industry practice and requirements.

Background to the LBP Scheme and licence class competencies

The LBP Scheme was introduced in 2007 to lift practitioner performance and productivity and to help consumers make informed decisions about the practitioners they engage.

The LBP Scheme assesses and records building practitioners as having certain skills and knowledge relevant to restricted building work. Restricted Building Work is work that is critical to the integrity of a building that only LBPs can carry out or supervise.

The scheme is competency-based, with applicants assessed by independent assessors recruited from the building industry. The licensing framework has seven licence classes based around the main occupations in the construction industry.

The LBP Rules under the Building Act 2004 (the Act) set out the standards of competence that LBPs must meet to become licensed, and detail procedures for assessing competence. Schedule 1 of the Rules describes the competencies for the Design, Site, Carpentry, Roofing, External Plastering, Bricklaying and Blocklaying, and Foundations licensing classes.

Competencies set out the minimum standards for licensing and therefore should:

- meet required building code standards
- reflect current and critical practices
- have performance indicators that are demonstrable and assessable.

Developments in industry practices require competencies to be updated and clarified from time to time in order to remain relevant. If competencies are not kept up-to-date, LBPs may not be assessed for competency in some areas and consumers will not know if LBP work meets the required standards.

Under the Building Act 2004, MBIE must consult with LBPs or those considered to be representative of LBPs or of other persons or classes of persons affected by the proposed rule (Building Act 2004, s 355 (b)).

You can read more about the scheme, including the LBP Rules which outline the current competencies, on the LBP website: <http://www.business.govt.nz/lbp> .

How to give feedback

MBIE invites written comments by Friday 10 October 2014. You are welcome to make submissions on some or all of the proposed competencies.

Submissions can be made by post or email to:

LBP Competencies Review
Attention: Ellen Davidson
Market Services Group
Ministry of Business, Innovation and Employment
P O Box 1473
WELLINGTON 6140

EMAIL ellen.davidson@mbie.govt.nz with any comments.

We need to receive all feedback on the proposals by **5pm, Friday 10 October 2014**.

Proposed amendments

The proposed amendments are technical in nature, with no policy changes required. The changes update or clarify current competencies to reflect current practice and to improve competency definition and structure. The biggest change is a new area of practice under the External Plastering licence class competencies for 'stucco'. This change will help clarify the application and assessment process for LBPs specialising in stucco work.

The full amendments are outlined in the appendices for each licence class that has been reviewed. The main changes for each licence class, and the reasons for these changes, are summarised below.

Bricklaying and Blocklaying

- The proposed change updates the list of technical information a LBP should be competent in accessing and interpreting, to reflect changes in Standards and Acceptable Solutions under the Building Code.
- A new competency 'Work Safely' will be added to bring together a range of safety performance indicators currently dispersed throughout the other competencies.

External Plastering

- The current 'Solid Plaster' area of practice will be separated into two areas of practice – 'Stucco' and 'Solid Plastering' (rendering over masonry).
- The 'Solid Plaster' area of practice currently does not differentiate between stucco and rendering, and to be competent in Solid Plaster, an applicant must be competent in both. Stucco is a specialised cladding system with very specific requirements and was strongly associated with weathertightness failures in the 1990s. There has been a decline in the use of stucco over the last decade. Consequently, some applicants for the Solid Plaster licence class have limited stucco project examples and have therefore been declined.
- As the use of stucco continues to decline, there is a risk that the LBP Scheme is licensing practitioners as meeting the minimum standard for competency in (high risk) stucco work but most of their skills and knowledge are in rendering. The separation into two classes will reduce this risk.
- The change will also make it easier for applicants with the more common rendering skills to be licensed or allow current 'Solid Plaster' licensees to drop their stucco area of practice if they wish at time of licence renewal.
- A new competency 'Work Safely' will be added to External Plastering to bring together a range of safety performance indicators currently dispersed throughout the other competencies.

Design

- A new competency 'Manage construction phase design' will bring together some performance indicators from other competencies in order to improve the definition and structure of competencies.

What will these changes mean for LBPs?

These proposals will result in some minor changes to the minimum standards which LBPs must maintain and therefore should take account of, for example, becoming familiar with the new technical information in Bricklaying and Blocklaying. Overall, the changes should clarify competencies for LBPs and should not impact on the ability of existing LBPs to relicense.

Next steps

We will review all submissions received on the proposed competencies, and will provide a summary of this feedback to the Minister for Building and Construction. Competencies may be adjusted depending on feedback received.

The amended competencies will be published in the LBP Rules later in 2014. A notice in the New Zealand Gazette will be published at this time.

Appendix 1 - Bricklaying and Blocklaying Licence Class – current competencies

Schedule 1 Licence Class Competencies

LICENSING CLASS		Bricklaying and Blocklaying
DESCRIPTOR:		This licensing class covers practitioners laying or erecting bricks or blocks for any category of building
EXPLANATORY NOTE:		This licensing class includes Veneer and Structural Masonry.
COMPETENCIES:		<p>Competency 1: Demonstrate knowledge of the regulatory environment of the building construction industry.</p> <p>Competency 2: Demonstrate knowledge of current bricklaying and blocklaying trade practice.</p> <p>Competency 3: Carry out planning for masonry work.</p> <p>Competency 4: Carry out masonry work.</p>
		<i>These competencies may be demonstrated by meeting some or all of the following performance indicators.</i>
PERFORMANCE INDICATORS:		
Competency 1: Demonstrate knowledge of the regulatory environment of the building construction industry.		
	1.1	Explain the purpose of the Building Act, Building Code, Health and Safety in Employment Act, Resource Management Act, and their relationship with the construction process.
	1.2	Describe the key features of the Licensed Building Practitioner Scheme. <i>Includes but not limited to – the licensing classes, restricted building work, and accountability to the Building Practitioners Board.</i>
	1.3	Describe the roles and responsibilities of key parties involved in the design and building process. <i>Roles may include but not limited to – licensed building practitioners (Design, Site, Specialist, Trade), engineers, other trades (e.g. electrical, plumbing, tiling), building consent authorities (BCAs), and clients.</i>
	1.4	Describe how bricklaying and blocklaying fits within the building consent process. <i>Includes but not limited to – trigger points for consent,</i>

		application, inspection, code compliance certificates, and consequences of non-compliance.
	1.5	Explain the importance of, and operate within scope of individual competence, and recognise when other expertise is required. <i>Includes but not limited to – the implications of different bricklaying and blocklaying areas of practice.</i>
Competency 2: Demonstrate knowledge of current bricklaying and blocklaying trade practice.		
	2.1	Explain relevant technical bricklaying and blocklaying terms and construction methods.
	2.2	Explain relevant current veneer and/or structural masonry construction methods and trade practice Veneer <i>May include but not limited to – implications of earthquake and sea spray zones, cavity requirements, foundation recess, installation of sills, lintels and arches, flashing of openings, penetrations, maximum height requirements, locating and positioning wall ties, setting the correct bond, and preparation of mortar.</i> Structural Masonry <i>May include but not limited to – setting the correct bond, positioning and fixing steel, erecting a raking gable, placement and use of control joints, bracing and templates to hold lintel up, reinforcing steel (grades, types, positioning, bending techniques), pilaster columns, and grouting methods.</i>
	2.3	Access and interpret relevant technical information. May include but not limited to – accessing and interpreting information from: NZ 3604, NZS 4210, NZS 4229 and NZS HB 4236, manufacturers' technical information, and relevant material standards.
	2.4	Demonstrate knowledge of the needs of other trades and the process of integration. <i>May include but not limited to – electrical, plumbing, tiling, drainlaying, gasfitting, excavating, carpentry, plastering, roofing, and window installing.</i>
	2.5	Describe safe working practices on site. May include but not limited to – storage of materials, temporary safety barriers, scaffolding, trestles, masonry cutting, relocating masonry units, loading and unloading, and personal protective equipment (PPE).
	2.6	Describe the management of environmental issues on site. <i>May include but not limited to – site runoff (wash out water), building waste and hazardous materials disposal, alkali exposure, dust from operations.</i>
	2.7	Explain preliminary site set-up requirements. May include but not limited to – access, site signage, temporary water and electricity, toilet, shed/store, and documentation.
Competency 3: Carry out planning for masonry work.		

	3.1	Read and interpret working drawings, specifications, programming, and schedules of quantities.
	3.2	Carry out building calculations and order and coordinate material supply. <i>May include but not limited to – measurements, calculation and estimation of quantities, ordering and coordinating material supply and delivery, and planning own work in coordination with the main contractor.</i>
Competency 4: Carry out masonry work.		
		<i>This competency may be demonstrated by meeting some or all of the performance indicators in one or more of the following areas of practice.</i>
Area of practice 1: Veneer		
	4.1.1	Work safely at all times. <i>May include but not limited to – storage of materials, temporary safety barriers, scaffolding, trestles, masonry cutting, relocating masonry units, loading and unloading, and personal protective equipment (PPE).</i>
	4.1.2	Manage environmental issues on site. <i>May include but not limited to – site runoff (wash out water), building waste and hazardous materials disposal, alkali exposure, dust from operations, complying with the Resource Management Act requirements.</i>
	4.1.3	Prepare to lay brick veneer and related masonry units. <i>May include but not limited to – laying a limited foundation wall to a maximum height of 1.2 metres, checking foundation rebate, ensuring openings are flashed and building wrap fixed, setting out veneer units, and completing cuts consistent with bond.</i>
	4.1.4	Lay brick veneer and related masonry units. <i>May include but not limited to – preparation of mortar, selection and laying of veneer masonry units using the correct bond, making provision for clean out ports in first row, provision of weep holes according to NZ Standard requirements, ensuring equivalent vent holes provided in last course, screwing wall ties according to NZ Standard requirements, and tooling all joints, cleaning up joint mortar and mortar droppings, cleaning down of finished surfaces.</i>
	4.1.5	Complete and finish the laying of brick veneer and related masonry units. <i>May include but not limited to – cleaning out cavity, foundation rebate, and close off, removing debris, and cleaning out ports ensuring weepholes are maintained.</i>
Area of practice 2: Structural Masonry		

	4.2.1	Work safely at all times. <i>May include but not limited to – storage of materials, temporary safety barriers, scaffolding, trestles, masonry cutting, relocating masonry units, loading and unloading, and personal protective equipment (PPE).</i>
	4.2.2	Manage environmental issues on site. <i>May include but not limited to – site runoff (wash out water), building waste and hazardous materials disposal, alkali exposure, dust from operations, complying with the Resource Management Act requirements.</i>
	4.2.3	Complete preparations to lay structural masonry units. <i>May include but not limited to – setting out block work and ensuring correct placement of steel starter bars, preparation of reinforcing steel of correct grade, dimensions, and size according to specifications and drawings.</i>
	4.2.4	Lay masonry units. <i>May include but not limited to – preparation of mortar, selection of appropriate masonry units, and laying using the correct bond to leave cores uninterrupted, formation of clean out ports, placement and tying reinforcing steel according to specifications and drawings, tooling joints, cleaning up joint mortar and mortar droppings, cleaning down of finished surfaces, and preparation of cavity and closing off clean out ports.</i>
	4.2.5	Complete and finish the laying of masonry units. <i>May include but not limited to – addition of admixtures to grout on-site, placement of grout into cores and cavities, removing debris, and compaction of grout using a vibrator or rodder as appropriate.</i>

Appendix 2 - Bricklaying and Blocklaying Licence Class – proposed competencies

Key to changes

Text deleted from current competencies is highlighted in yellow with strikethrough font, for example:

- **Competency 3: Carry out planning for external plastering work.**
- ~~**Competency 4: Carry out external plastering work.**~~

New text that has been added is highlighted in green, for example:

- This licensing class includes Solid Plastering, **Stucco**, and Proprietary Plaster Cladding Systems (PPCS).

Note that example text is indicative only and may not relate to this particular licence class.

Competencies and elements of competencies have been renumbered if text has been deleted or new text added.

**Schedule 1
Licence Class Competencies**

LICENSING CLASS		Bricklaying and Blocklaying
DESCRIPTOR:		This licensing class covers practitioners laying or erecting bricks or blocks for any category of building.
EXPLANATORY NOTE:		This licensing class includes Veneer and Structural Masonry.
COMPETENCIES:		<p>Competency 1: Demonstrate knowledge of the regulatory environment of the building construction industry.</p> <p>Competency 2: Demonstrate knowledge of current bricklaying and blocklaying trade practice.</p> <p>Competency 3: Carry out planning for masonry work.</p> <p>Competency 4: Work safely</p> <p>Competency 5: Carry out masonry work.</p>
		<i>These competencies may be demonstrated by meeting some or all of the following performance indicators.</i>
		Competency 1: Demonstrate knowledge of the regulatory environment of the building construction industry.
	1.1	Explain the purpose of the Building Act, Building Code, Health and Safety in Employment Act, Resource Management Act, and their relationship with the construction process.
	1.2	Describe the key features of the Licensed Building Practitioner Scheme. <i>Includes but not limited to - the licensing classes, restricted building work, and accountability to the Building Practitioners Board.</i>
	1.3	Describe the roles and responsibilities of key parties involved in the design and building process. <i>Roles may include but not limited to - licensed building practitioners (Design, Site, Specialist, Trade), engineers, other trades (e.g. electrical, plumbing, tiling), building consent authorities (BCAs), and clients.</i>
	1.4	Describe how bricklaying and blocklaying fits within the building consent process. <i>Includes but not limited to - trigger points for consent, application, inspection, code compliance certificates, and consequences of non-compliance.</i>
	1.5	Explain the importance of, and operate within scope of individual competence, and recognise when other expertise is required.

		<i>Includes but not limited to - the implications of the different bricklaying and blocklaying areas of practice.</i>
		Competency 2: Demonstrate knowledge of current bricklaying and blocklaying trade practice.
	2.1	Explain relevant technical bricklaying and blocklaying terms and construction methods.
	2.2	<p>Explain relevant current veneer and/or structural masonry methods and trade practice.</p> <p>Veneer</p> <p><i>May include but not limited to - implications of earthquake and sea spray zones, cavity requirements, foundation recess, installation of sills, lintels and arches, flashing of openings, penetrations, maximum height requirements, locating and positioning wall ties, setting the correct bond, and preparation of mortar.</i></p> <p>Structural Masonry</p> <p><i>May include but not limited to - setting the correct bond, positioning and fixing steel, erecting a raking gable, placement and use of control joints, bracing and templates to hold lintel up, reinforcing steel (grades, types, positioning, bending techniques), pilaster columns, and grouting methods.</i></p>
	2.3	<p>Access and interpret relevant technical information.</p> <p><i>May include but not limited to – accessing and interpreting information from: NZS 3604, E2/AS1, CCANZ CP 01 (E2/AS3), NZS 4210, NZS 4229 and NZS HB 4236, manufacturers’ technical information, and relevant material standards.</i></p>
	2.4	<p>Demonstrate knowledge of the needs of other trades and the process of integration.</p> <p><i>May include but not limited to - electrical, plumbing, tiling, drainlaying, gasfitting, excavating, carpentry, plastering, roofing, and window installing.</i></p>
	2.5	<p>Describe safe working practices on site.</p> <p><i>May include but not limited to – storage of materials, temporary safety barriers, scaffolding, trestles, masonry cutting, relocating masonry units, loading and unloading, and personal protective equipment (PPE).</i></p>
	2.6	<p>Describe the management of environmental issues on site.</p> <p><i>May include but not limited to – site runoff (wash out water), building waste and hazardous materials disposal, alkali exposure, dust from operations.</i></p>
	2.5	Explain preliminary site set-up requirements.
	2.7	<i>May include but not limited to - access, site signage, temporary water</i>

		<i>and electricity, toilet, shed/store, and documentation.</i>
		Competency 3: Carry out planning for masonry work.
	3.1	Read and interpret approved building consent documents, working drawings, specifications, programming programme schedules and schedules of quantities.
	3.2	<p>Order and coordinate material supply to site.</p> <p>Carry out building calculations and order and coordinate material supply.</p> <p><i>May include but not limited to – measurements, calculation and estimation of quantities, ordering and coordinating material supply and delivery, and planning own work in coordination with the main contractor.</i></p>
		Competency 4: Work safely
	4.1	<p>Describe Health and Safety processes on site.</p> <p><i>May include but not limited to – having a Site Specific Safety Plan, keeping a hazard register, taking part in 'tool box' meetings.</i></p>
	4.2	<p>Describe safe working practices on site.</p> <p><i>May include but not limited to – storage of materials, temporary safety barriers, scaffolding, trestles, limiting exposure to cement and masonry dust, relocating masonry units, loading and unloading masonry units, and personal protective equipment (PPE).</i></p>
	4.3	Work safely.
		Competency 5: Carry out masonry work.
		<i>This competency may be demonstrated by meeting some or all of the performance indicators in one or more of the following areas of practice.</i>
		Area of practice 1: Veneer
	4.1.1	Work safely at all times
	5.1.1	Manage environmental issues on site.
	4.2.2	<i>May include but not limited to - site runoff (wash out water), building waste and hazardous materials disposal, alkali exposure, dust from operations, complying with the Resource Management Act requirements.</i>
	5.1.2	Where a building consent has been issued for the work, comply with the requirements of the approved building consent documents.
	5.1.3	Comply with the requirements of current Acceptable Solutions and New Zealand Standards. Where out of scope comply with the

		<p>approved specific design solution.</p> <p>Includes E2/AS1, NZS HB 4236</p>
	<p>5.1.4</p> <p>4.1.3</p>	<p>Prepare to lay brick veneer and related masonry units.</p> <p>May include but not limited to – laying a limited foundation wall to a maximum height of 1.2 metres, checking foundation rebate, ensuring openings are flashed and building wrap fixed, setting out veneer units, and completing cuts consistent with bond.</p>
	<p>5.1.5</p> <p>4.1.4</p>	<p>Lay brick veneer and related masonry units.</p> <p>May include but not limited to – preparation of mortar, selection and laying of veneer masonry units using the correct bond, making provision for clean out ports in first row, provision of weep holes according to NZ Standard requirements, ensuring equivalent vent holes provided in last course, screwing wall ties according to NZ Standard requirements, and tooling all joints, cleaning up joint mortar and mortar droppings, cleaning down of finished surfaces.</p>
	<p>5.1.6</p> <p>4.1.5</p>	<p>Complete and finish the laying of brick veneer and related masonry units.</p> <p>May include but not limited to – cleaning out cavity, foundation rebate, and close off, removing debris, and cleaning out ports ensuring weep-holes are maintained.</p>
		Area of practice 2: Structural Masonry
	<p>4.2.1</p>	<p>Work safely at all times</p>
	<p>5.2.1</p> <p>4.2.2</p>	<p>Manage environmental issues on site.</p> <p>May include but not limited to - site runoff (wash out water), building waste and hazardous materials disposal, alkali exposure, dust from operations, complying with the Resource Management Act requirements.</p>
	<p>5.2.2</p>	<p>Where a building consent has been issued for the work, comply with the requirements of the approved building consent documents.</p>
	<p>5.2.3</p>	<p>Comply with the requirements of current New Zealand Standards and Acceptable Solutions. Where out of scope comply with the approved specific design solution.</p> <p>Includes NZS 4229 and E2/AS3 - CCANZ CP 01</p>
	<p>5.2.4</p> <p>4.2.3</p>	<p>Complete preparations to lay structural masonry units.</p> <p>May include but not limited to – setting out block work and ensuring correct placement of steel starter bars, preparation of reinforcing steel of correct grade, dimensions, and size according to specifications and drawings.</p>
	<p>5.2.5</p> <p>4.2.4</p>	<p>Lay masonry units.</p> <p>May include but not limited to – preparation of mortar, selection of appropriate masonry units, and laying using the correct bond to leave</p>

		<i>cores uninterrupted, formation of clean out ports, placement and tying reinforcing steel according to specifications and drawings, tooling joints, cleaning up joint mortar and mortar droppings, cleaning down of finished surfaces, and preparation of cavity and closing off clean out ports.</i>
	5.2.6 4.2.5	Complete and finish the laying of masonry units. <i>May include but not limited to – addition of admixtures to grout on-site, placement of grout into cores and cavities, removing debris, and compaction of grout using a vibrator or rod as appropriate.</i>

Appendix 3 - Design Licence Class – current competencies

Schedule 1 Licence Class Competencies

LICENSING CLASS		Design
DESCRIPTOR:		This licensing class covers practitioners designing any category of building.
EXPLANATORY NOTE:		This licensing class includes: Design 1 (Category 1 buildings) Design 2 (Category 1 and 2 buildings) Design 3 (Category 1, 2 and 3 buildings)
COMPETENCIES:		<p>Competency 1: Comprehend and apply knowledge of the regulatory environment of the building construction industry.</p> <p>Competency 2: Manage the building design process.</p> <p>Competency 3: Establish design briefs and scope of work and prepare preliminary design.</p> <p>Competency 4: Develop design and produce construction drawings and documentation.</p> <p><i>These competencies may be demonstrated by meeting some or all of the following performance indicators.</i></p>
PERFORMANCE INDICATORS:		
<p>Competency 1: Comprehend and apply knowledge of the regulatory environment of the building construction industry. <i>This competency may be demonstrated by meeting some or all of the performance indicators in one or more of the following areas of practice.</i></p>		
Area of practice 1: Design 1 (Category 1 buildings)		
	1.1.1	Explain the purpose of the Building Act and Building Code and their relationship to the design process.
	1.1.2	Comprehend and apply knowledge of the Building Act and Regulations, the Building Code and Building Code compliance documents relevant to Category 1 buildings. <i>Includes but not limited to – NZS3604, E2/AS1, NZS4229.</i>

	1.1.3	Explain the relevance of building-related legislation to the design of Category 1 buildings. <i>Includes but not limited to – Health and Safety in Employment Act, Resource Management Act.</i>
	1.1.4	Demonstrate knowledge of contracts for engagement between the designer and the client, and construction contracts.
	1.1.5	Describe the key features of the Licensed Building Practitioners Scheme. <i>Includes but not limited to – the licence classes, restricted building work, accountability to the Building Practitioners Board.</i>
	1.1.6	Explain the roles and responsibilities of key parties involved in the design and building process. <i>Includes but not limited to – licensed building practitioners (Design, Site, Specialist, Trade), consulting engineers, trades (e.g. electrical, plumbing, tiling), manufacturers, Department of Building and Housing, building consent authorities (BCAs) and clients.</i>
	1.1.7	Demonstrate knowledge of the consent processes, including planning requirements under the Resource Management Act and the Building Act. <i>Includes but not limited to – when a consent is required, application, inspection, code compliance certificates.</i>
	1.1.8	Explain the importance of, and operate within the scope of individual competence, and recognise when other expertise is required. <i>Includes but not limited to – the implications of the different design areas of practice</i>
Area of practice 2: Design 2 (Category 1 and 2 buildings)		
	1.2.1	Explain the purpose of the Building Act and Building Code and their relationship to the design process.
	1.2.2	Comprehend and apply knowledge of the Building Act and Regulations, the Building Code and Building Code compliance documents relevant to Category 1 and 2 buildings.
	1.2.3	Explain the relevance of building-related legislation to the design of Category 1 and 2 buildings. <i>Includes but not limited to – Health and Safety in Employment Act, Resource Management Act, Construction Contracts Act</i>
	1.2.4	Comprehend and apply knowledge of contracts for engagement between the designer and the client, and construction contracts.

	1.2.5	Describe the key features of the Licensed Building Practitioners Scheme. <i>Includes but not limited to – the licence classes, restricted building work, accountability to the Building Practitioners Board.</i>
	1.2.6	Explain the roles and responsibilities of key parties involved in the design and building process. <i>Includes but not limited to – licensed building practitioners (Design, Site, Specialist, Trade), consulting engineers and other specialist consultants, trades (e.g. electrical, plumbing, tiling), manufacturers, Department of Building and Housing, building consent authorities (BCAs) and clients.</i>
	1.2.7	Demonstrate knowledge of the consent processes, including planning requirements under the Resource Management Act and the Building Act. <i>Includes but not limited to – when a consent is required, application, inspection, code compliance certificates.</i>
	1.2.8	Explain the importance of, and operate within the scope of individual competence, and recognise when other expertise is required. <i>Includes but not limited to – the implications of the different design areas of practice</i>
Area of practice 3: Design 3 (Category 1, 2 and 3 buildings)		
	1.3.1	Explain the purpose of the Building Act and Building Code and their relationship to the design process.
	1.3.2	Comprehend and apply knowledge of the Building Act and Regulations, the Building Code and Building Code compliance documents and New Zealand Standards relevant to Category 1, 2 and 3 buildings.
	1.3.3	Explain the relevance of building-related legislation to the design of Category 1, 2 and 3 buildings. <i>Includes but not limited to – Health and Safety in Employment Act, Resource Management Act, Construction Contracts Act, Heritage New Zealand Pouhere Taonga Act 2014</i>
	1.3.4	Comprehend and apply knowledge of contracts for engagement, and construction contracts.
	1.3.5	Describe the key features of the Licensed Building Practitioners Scheme. <i>Includes but not limited to – the licence classes, restricted building work, accountability to the Building Practitioners Board.</i>
	1.3.6	Explain the roles and responsibilities of key parties involved in the design and building process. <i>Includes but not limited to – licensed building practitioners (Design, Site, Specialist, Trade), consulting engineers and other specialist consultants, trades (e.g. electrical,</i>

		<i>plumbing, tiling), manufacturers, Department of Building and Housing, building consent authorities (BCAs) and clients.</i>
	1.3.7	Demonstrate knowledge of the consent processes, including planning requirements under the Resource Management Act and the Building Act. <i>Includes but not limited to – application, inspection, code compliance certificates.</i>
	1.3.8	Explain the importance of, and operate within the scope of individual competence, and recognise when other expertise is required. <i>Includes but not limited to – the implications of the different design areas of practice</i>
<p>Competency 2: Manage the building design process.</p> <p><i>This competency may be demonstrated by meeting some or all of the performance indicators in one or more of the following areas of practice.</i></p>		
<p>Area of practice 1: Design 1 (Category 1 buildings)</p>		
	2.1.1	Plan, schedule and organise design projects to deliver specified outcomes.
	2.2.2	Use quality assurance techniques in performing design activities. <i>Examples of techniques: checklists, design review and peer review.</i>
<p>Area of practice 2: Design 2 (Category 1 and 2 buildings)</p>		
	2.2.1	2.2.1 Plan, schedule and organise design projects to deliver specified outcomes.
	2.2.2	Use quality assurance techniques in performing design activities. <i>Examples of techniques: checklists, design review and peer review.</i>
	2.2.3	Explain the processes of construction observation. <i>May include but not limited to – site meetings and inspections, reporting on compliance with construction documentation, conditions of contract, building consents and any changes required.</i>
	2.2.4	Explain the processes of contract administration. <i>May include but not limited to – monitoring compliance with contract requirements, providing supplementary contract documentation, planning and control of documents and records, managing variations to contract and progress claims, monitoring construction programme and costs, monitoring health and safety, record archiving, collation of as-built and compliance documentation, report and</i>

		<i>determine finalisation of contract.</i>
	2.2.5	Advise building owner on occupation requirements. <i>May include but not limited to – applications for certificate for public use, code compliance certificate, food hygiene/preparation certificate</i>
Area of practice 3: Design 3 (Category 1, 2 and 3 buildings)		
	2.3.1	Plan, schedule and organise design projects to deliver specified outcomes.
	2.3.2	Use quality assurance techniques in performing design activities. <i>Examples of techniques: checklists, design review and peer review.</i>
	2.3.3	Provide construction observation. May include but not limited to – site meetings and inspections, coordinating specialist consultants, reporting on compliance with construction documentation, conditions of contract, building consents and any changes required.
	2.3.4	Provide contract administration. <i>May include but not limited to – monitoring compliance with contract requirements, providing supplementary contract documentation, planning and control of documents and records, managing variations to contract and progress claims, monitoring construction programme and costs, monitoring health and safety, record archiving, collation of as-built and compliance documentation, report and determine finalisation of contract.</i>
	2.3.5	Advise building owner on occupational requirements. <i>May include but not limited to – applications for certificate for public use, code compliance certificate, food hygiene/preparation certificate.</i>
Competency 3: Establish design briefs and scope of work and prepare preliminary design.		
<i>This competency may be demonstrated by meeting some or all of the performance indicators in one or more of the following areas of practice.</i>		
Area of practice 1: Design 1 (Category 1 buildings)		
	3.1.1	Work with client to establish an agreed brief and scope.
	3.1.2	Carry out or acquire site investigations and accurately document existing conditions. <i>May include but not limited to – existing building conditions and compliance, topography, immediate neighbourhood, services, streets, elements of the landscape.</i>

	3.1.3	Demonstrate knowledge of design practice and methods, building elements and construction processes.
	3.1.4	Consider environmental and social impacts when developing design solutions. <i>May include but not limited to – understanding of environmental and social impacts, context, and use of resources.</i>
	3.1.5	Prepare and present preliminary design drawings and outline specification.
	3.1.6	Present information to client on timelines and costs.

Area of practice 2: Design 2 (Category 1 and 2 buildings)

	3.2.1	Work with client to establish an agreed brief and scope.
	3.2.2	Carry out or acquire site investigations and accurately document existing conditions. <i>May include but not limited to – existing building conditions and compliance, topography, immediate neighbourhood, services, streets, elements of the landscape.</i>
	3.15.	Prepare and present preliminary design drawings and outline specification.
	3.1.6.	Present information to client on timelines and costs.

Area of practice 2: Design 2 (Category 1 and 2 buildings)

	3.2.1	Work with client to establish an agreed brief and scope.
	3.2.2	Carry out or acquire site investigations and accurately document existing conditions. <i>May include but not limited to – existing building conditions and compliance, topography, immediate neighbourhood, services, streets, elements of the landscape.</i>
	3.2.3	Demonstrate knowledge of design practice and methods, building elements and construction processes.

	3.2.4	Document environmental and social impacts when developing design solutions. <i>May include but not limited to – understanding of environmental and social impacts, context, and use of resources.</i>
	3.2.5	Prepare and present preliminary design drawings and outline specifications.
	3.2.6	Present information to client on timelines and costs.

Area of practice 3: Design 3 (Category 1, 2 and 3 buildings)

	3.3.1	Work with client to establish an agreed brief and scope.
	3.3.2	Carry out or acquire site investigations and accurately document existing conditions. <i>May include but not limited to – existing building conditions and compliance, topography, immediate neighbourhood, services, streets, elements of the landscape.</i>
	3.3.3	Demonstrate knowledge of design practice and methods, building elements and construction processes.
	3.3.4	Document environmental and social impacts when developing design solutions. <i>May include but not limited to – understanding of environmental and social impacts, context, and use of resources.</i>
	3.3.5	Prepare and present preliminary design drawings and outline specifications.
	3.3.6	Present information to client on timelines and costs.

Competency 4: Develop design and produce construction drawings and documentation

This competency may be demonstrated by meeting some or all of the performance indicators in one or more of the following areas of practice.

Area of practice 1: Design 1 (Category 1 buildings)		
	4.1.1	Apply design standards and identify and produce specific design solutions.
	4.1.2	Apply basic knowledge of the principles of building technology and performance.
	4.1.3	Coordinate and integrate specialist design inputs as required.
	4.1.4	Prepare developed design drawings and specifications.
	4.1.5	Update clients on timelines and costs.
	4.1.6	Demonstrate knowledge of conditions of contract.
	4.1.7	Produce detailed drawings, specifications and documentation suitable for building consent and construction.
Area of practice 2: Design 2 (Category 1 and 2 buildings)		
	4.2.1	Apply design standards and identify and produce specific design solutions.
	4.2.2	Apply knowledge of building technology and performance.
	4.2.3	Coordinate and integrate specialist design inputs as required.

	4.2.4	Prepare developed design drawings and specifications.
	4.2.5	Update clients on timelines and costs.
	4.2.6	Demonstrate knowledge of conditions of contract and methods of procurement.
	4.2.7	Produce detailed drawings, specifications and documentation suitable for building consent and construction.
Area of practice 3: Design 3 (Category 1, 2 and 3 buildings)		
	4.3.1	Apply design standards and identify and produce specific design solutions.
	4.3.2	Apply comprehensive knowledge of building science, technology and building performance.
	4.3.3	Coordinate and integrate specialist design inputs as required.
	4.3.4	Prepare developed design drawings and specifications.
	4.3.5	Update clients on timelines and costs.
	4.3.6	Demonstrate knowledge of conditions of contract and alternative methods of procurement. <i>Examples of procurement may include but not limited to – collaborative and complex contract structures.</i>
	4.3.7	Manage and produce detailed drawings, specifications and documentation suitable for building consent and construction.

Appendix 4 - Design Licence Class – proposed competencies

Key to changes

Text deleted from current competencies is highlighted in yellow with strikethrough font, for example:

- **Competency 3: Carry out planning for external plastering work.**
- ~~Competency 4: Carry out external plastering work.~~

New text that has been added is highlighted in green, for example:

- This licensing class includes Solid Plastering, **Stucco**, and Proprietary Plaster Cladding Systems (PPCS).

Note that example text is indicative only and may not relate to this particular licence class.

Competencies and elements of competencies have been renumbered if text has been deleted or new text added.

**Schedule 1
Licence Class Competencies**

LICENSING CLASS		DESIGN
DESCRIPTOR:		This licensing class covers practitioners designing any category of building.
EXPLANATORY NOTE:		This licensing class includes: Design 1 (Category 1 buildings) Design 2 (Category 1 and 2 buildings) Design 3 (Category 1, 2 and 3 buildings)
COMPETENCIES:		<p>Competency 1: Comprehend and apply knowledge of the regulatory environment of the building construction industry.</p> <p>Competency 2: Manage the building design process.</p> <p>Competency 3: Establish design briefs and scope of work and prepare preliminary drawings.</p> <p>Competency 4: Develop design and produce construction drawings and documentation.</p> <p>Competency 5: Manage construction phase design.</p>
		<i>These competencies may be demonstrated by meeting some or all of the following performance indicators.</i>
		Competency 1: Comprehend and apply knowledge of the regulatory environment of the building construction industry.
		<i>This competency may be demonstrated by meeting some or all of the performance indicators in one or more of the following areas of practice.</i>
		Area of practice 1: Design 1 (Category 1 buildings)
	1.1.1	Explain the purpose of the Building Act and Building Code and their relationship to the design process.
	1.1.2	<p>Comprehend and apply knowledge of the Building Act and Regulations, the Building Code and Building Code compliance documents relevant to Category 1 buildings.</p> <p>Includes but not limited to — NZS3604, E2/AS1, NZS4229.</p>
	1.1.2 1.1.3	<p>Explain the relevance of building-related legislation to the design of Category 1 buildings.</p> <p>Includes but not limited to — Health and Safety in Employment Act, the Resource Management Act.</p>

	1.1.4	Demonstrate knowledge of contracts for engagement between the designer and the client, and construction contracts.
	1.1.3 1.1.5	Describe the key features of the Licensed Building Practitioners Scheme. <i>Includes but not limited to – the licence classes, restricted building work, accountability to the Building Practitioners Board.</i>
	1.1.6	Explain the roles and responsibilities of key parties involved in the design and building process. <i>Includes but not limited to – licensed building practitioners (Design, Site, Specialist, Trade), consulting engineers, trades (e.g. electrical, plumbing, tiling), manufacturers, Department of Building and Housing, building consent authorities (BCAs) and clients.</i>
	1.1.4 1.1.7	Demonstrate knowledge of the Building Act and Resource Management Act consent processes. <i>Includes knowledge of when consent is required, and knowledge of the application, inspection and compliance processes relevant to the design process.</i> <i>Demonstrate knowledge of the consent processes, including planning requirements under the Resource Management Act and the Building Act.</i> <i>Includes but not limited to – when a consent is required, application, inspection, code compliance certificates.</i>
	1.1.5 1.1.8	Explain the importance of, and operate within the scope of individual competence, and recognise when other expertise is required. <i>Includes but not limited to – the implications of the different design areas of practice.</i>
		Area of practice 2: Design 2 (Category 1 and 2 buildings)
	1.2.1	Explain the purpose of the Building Act and Building Code and their relationship to the design process.
	1.2.2	Comprehend and apply knowledge of the Building Act and Regulations, the Building Code and Building Code compliance documents relevant to Category 1 and 2 buildings.
	1.2.2 1.2.3	Explain the relevance of building-related legislation to the design of Category 1 and 2 buildings. <i>Includes but not limited to – Health and Safety in Employment Act, Resource Management Act, Construction Contracts Act.</i>
	1.2.4	Comprehend and apply knowledge of contracts for

		engagement between the designer and the client, and construction contracts.
	1.2.3 1.2.5	Describe the key features of the Licensed Building Practitioners Scheme. <i>Includes but not limited to – the licence classes, restricted building work, accountability to the Building Practitioners Board.</i>
	1.2.6	Explain the roles and responsibilities of key parties involved in the design and building process. <i>Includes but not limited to – licensed building practitioners (Design, Site, Specialist, Trade), consulting engineers and other specialist consultants, trades (e.g. electrical, plumbing, tiling), manufacturers, Department of Building and Housing, building consent authorities (BCAs) and clients.</i>
	1.2.4 1.2.7	Demonstrate knowledge of the Building Act and Resource Management Act consent processes. <i>Includes knowledge of when consent is required, and knowledge of the application, inspection and compliance processes relevant to the design process.</i> Demonstrate knowledge of the consent processes, including planning requirements under the Resource Management Act and the Building Act. <i>Includes but not limited to – when a consent is required, application, inspection, code compliance certificates.</i>
	1.2.5 1.2.8	Explain the importance of, and operate within the scope of individual competence, and recognise when other expertise is required. <i>Includes but not limited to – the implications of the different design areas of practice.</i>
		Area of practice 3: Design 3 (Category 1, 2 and 3 buildings)
	1.3.1	Explain the purpose of the Building Act and Building Code and their relationship to the design process.
	1.3.2	Comprehend and apply knowledge of the Building Act and Regulations, the Building Code and Building Code compliance documents and New Zealand Standards relevant to Category 1-3 and 3 buildings.
	1.3.2	Explain the relevance of building-related legislation to the design of Category 1, 2 and 3 buildings. <i>Includes but not limited to – Health and Safety in Employment Act, Resource Management Act, Construction Contracts Act, Heritage New Zealand Pouhere Taonga Act 2014.</i>

	1.3.4	Comprehend and apply knowledge of contracts for engagement between the designer and the client, and construction contracts.
	1.3.3 1.3.5	Describe the key features of the Licensed Building Practitioners Scheme. <i>Includes but not limited to – the licence classes, restricted building work, accountability to the Building Practitioners Board.</i>
	1.3.6	Explain the roles and responsibilities of key parties involved in the design and building process. <i>Includes but not limited to – licensed building practitioners (Design, Site, Specialist, Trade), consulting engineers and other specialist consultants, trades (e.g. electrical, plumbing, tiling), manufacturers, Department of Building and Housing, building consent authorities (BCAs) and clients.</i>
	1.3.4 1.3.7	Demonstrate knowledge of the Building Act and Resource Management Act consent processes. <i>Includes knowledge of when consent is required, and knowledge of the application, inspection and compliance processes relevant to the design process.</i> Demonstrate knowledge of the consent processes, including planning requirements under the Resource Management Act and the Building Act. <i>Includes but not limited to – application, inspection, code compliance certificates.</i>
	1.3.5 1.3.8	Explain the importance of, and operate within the scope of individual competence, and recognise when other expertise is required. <i>Includes but not limited to – the implications of the different design areas of practice.</i>
		Competency 2: Manage the building design process.
		<i>This competency may be demonstrated by meeting some or all of the performance indicators in one or more of the following areas of practice.</i>
		Area of practice 1: Design 1 (Category 1 buildings)
	2.1.1	Work with the client to establish agreed terms of engagement.
	2.1.2	Advise the client on timeframes and costs associated with the design process. <i>Includes the cost implications of changes in design.</i>
	2.1.3	Advise the client on construction costs and the cost

		implications of design options and changes.
	2.1.4 2.1.1	Plan, schedule and organise design projects to deliver specified outcomes.
	2.1.5 2.2.2	Use quality assurance techniques in performing design activities. <i>Examples of techniques: checklists, design review and peer review.</i>
		Area of practice 2: Design 2 (Category 1 and 2 buildings)
	2.2.1	Work with the client to establish agreed terms of engagement.
	2.2.2	Advise the client on timeframes and costs associated with the design process. <i>Includes the cost implications of changes in design.</i>
	2.2.3	Advise the client on construction costs and the cost implications of design options and changes.
	2.2.4 2.2.1	Plan, schedule and organise design projects to deliver specified outcomes.
	2.2.5 2.2.2	Use quality assurance techniques in performing design activities. <i>Examples of techniques: checklists, design review and peer review.</i>
	2.2.3	Explain the processes of construction observation. (To C5) <i>May include but not limited to — site meetings and inspections, reporting on compliance with construction documentation, conditions of contract, building consents and any changes required.</i>
	2.2.4	Explain the processes of contract administration. (To C5) <i>May include but not limited to — monitoring compliance with contract requirements, providing supplementary contract documentation, planning and control of documents and records, managing variations to contract and progress claims, monitoring construction programme and costs, monitoring health and safety, record archiving, collation of as-built and compliance documentation, report and determine finalisation of contract.</i>
	2.2.5	Advise building owner on occupation requirements. (To C5) <i>May include but not limited to — applications for certificate for public use, code compliance certificate, food hygiene/preparation certificate.</i>
		Area of practice 3: Design 3 (Category 1, 2 and 3)

		buildings)
	2.3.1	Work with the client to establish agreed terms of engagement.
	2.3.2	Advise the client on timeframes and costs associated with the design process. <i>Includes the cost implications of changes in design.</i>
	2.3.3	Advise the client on construction costs and the cost implications of design options and changes.
	2.3.4 2.3.1	Plan, schedule and organise design projects to deliver specified outcomes.
	2.3.5 2.3.2	Use quality assurance techniques in performing design activities. <i>Examples of techniques: checklists, design review and peer review.</i>
	2.3.3	Provide construction observation. <i>May include but not limited to — site meetings and inspections, coordinating specialist consultants, reporting on compliance with construction documentation, conditions of contract, building consents and any changes required. (Moved to Competency 5)</i>
	2.3.4	Provide contract administration. (Moved to Competency 5) <i>May include but not limited to — monitoring compliance with contract requirements, providing supplementary contract documentation, planning and control of documents and records, managing variations to contract and progress claims, monitoring construction programme and costs, monitoring health and safety, record archiving, collation of as-built and compliance documentation, report and determine finalisation of contract.</i>
	2.3.5	Advise building owner on occupational requirements. <i>May include but not limited to — applications for certificate for public use, code compliance certificate, food hygiene/preparation certificate. (Moved to Competency 5)</i>
		Competency 3: Establish design briefs and scope of work and prepare preliminary design.
		<i>This competency may be demonstrated by meeting some or all of the performance indicators in one or more of the following areas of practice.</i>
		Area of practice 1: Design 1 (Category 1 buildings)
	3.1.1	Work with the client to establish an agreed brief and scope.

	3.1.2	Carry out or acquire site investigations and accurately document existing conditions. <i>May include but not limited to – existing building conditions and compliance, topography, immediate neighbourhood, services, streets, elements of the landscape.</i>
	3.1.3	Demonstrate knowledge of design practice and methods, building elements and construction processes.
	3.1.4	Consider environmental and social impacts when developing design solutions. <i>May include but not limited to – understanding of environmental and social impacts, context, and use of resources.</i>
	3.1.5	Prepare and present preliminary design drawings and outline specification.
	3.1.6	Present information to client on timelines and costs. Advise the client on the time and cost issues associated with the design process. Advise the client of construction cost implications of preliminary design options.
		Area of practice 2: Design 2 (Category 1 and 2 buildings)
	3.2.1	Work with the client to establish an agreed brief and scope.
	3.2.2	Carry out or acquire site investigations and accurately document existing conditions. <i>May include but not limited to – existing building conditions and compliance, topography, immediate neighbourhood, services, streets, elements of the landscape.</i>
	3.2.3	Demonstrate knowledge of design practice and methods, building elements and construction processes.
	3.2.4	Document environmental and social impacts when developing design solutions. <i>May include but not limited to – understanding of environmental and social impacts, context, and use of resources.</i>
	3.2.5	Prepare and present preliminary design drawings and outline specification.
	3.2.6	Present information to client on timelines and costs. Advise the client on the time and cost issues associated with the design process. Advise the client of construction cost implications of preliminary design options.

		Area of practice 3: Design 3 (Category 1, 2 and 3 buildings)
	3.3.1	Work with the client to establish an agreed brief and scope.
	3.3.2	Carry out or acquire site investigations and accurately document existing conditions. <i>May include but not limited to – existing building conditions and compliance, topography, immediate neighbourhood, services, streets, elements of the landscape.</i>
	3.3.3	Demonstrate knowledge of design practice and methods, building elements and construction processes.
	3.3.4	Document environmental and social impacts when developing design solutions. <i>May include but not limited to – understanding of environmental and social impacts, context, and use of resources.</i>
	3.3.5	Prepare and present preliminary design drawings and outline specification.
	3.3.6	Present information to client on timelines and costs. Advise the client on the time and cost issues associated with the design process. Advise the client of construction cost implications of preliminary design options.
		Competency 4: Develop design and produce construction drawings and documentation
		<i>This competency may be demonstrated by meeting some or all of the performance indicators in one or more of the following areas of practice.</i>
		Area of practice 1: Design 1 (Category 1 buildings)
	4.1.1	Apply knowledge of the Building Act and Regulations, the Building Code and Building Code compliance documents relevant to the design of Category 1 buildings. <i>Includes but not limited to – NZS3604, E2/AS1, NZS4229.</i>
	4.1.2 4.1.1	Apply design standards and identify and produce specific design solutions.
	4.1.3 4.1.2	Apply basic knowledge of the principles of building technology and performance.
	4.1.4 4.1.3	Coordinate and integrate specialist design inputs as required. Co-ordinate and integrate design information provided by others.

	4.1.5	Prepare developed design drawings and specifications.
	4.1.4	Prepare detailed drawings, specifications and documentation suitable for building consent and construction.
	4.1.5	Update clients on timelines and costs.
	4.1.6	Demonstrate knowledge of conditions of contract.
	4.1.7	Produce detailed drawings, specifications and documentation suitable for building consent and construction.
		Area of practice 2: Design 2 (Category 1 and 2 buildings)
	4.2.1	Apply knowledge of the Building Act and Regulations, the Building Code and Building Code compliance documents relevant to the design of Category 1 and 2 buildings.
	4.2.2 4.2.1	Apply design standards and identify and produce specific design solutions.
	4.2.3 4.2.2	Apply knowledge of the principles of building technology and performance.
	4.2.4 4.2.3	Coordinate and integrate specialist design inputs as required. Co-ordinate and integrate design information provided by others. <i>May include but not limited to RMA consultants, surveyors, services specialists, consulting engineers, manufacturers, the Ministry for Business, Innovation and Employment, and building consent authorities.</i>
	4.2.5 4.2.4	Prepare developed design drawings and specifications. Produce detailed drawings, specifications and documentation suitable for building consent and construction.
	4.2.5	Update clients on timelines and costs.
	4.2.6	Demonstrate knowledge of conditions of contract and methods of procurement.
	4.2.7	Produce detailed drawings, specifications and documentation suitable for building consent and construction.
		Area of practice 3: Design 3 (Category 1, 2 and 3 buildings)
	4.3.1	Apply knowledge of the Building Act and Regulations, the Building Code and Building Code compliance documents and New Zealand Standards relevant to Category 1, 2 and 3 buildings.
	4.3.2 4.3.1	Apply design standards and identify and produce specific design solutions.
	4.3.3	Apply comprehensive knowledge of building science,

	4.3.2	technology and building performance.
	4.3.4	Coordinate and integrate specialist design inputs as required.
	4.3.3	Co-ordinate and integrate design information provided by others. <i>May include but not limited to RMA consultants, surveyors, services specialists, consulting engineers, manufacturers, the Ministry for Business, Innovation and Employment, and building consent authorities.</i>
	4.3.5	Prepare developed design drawings and specifications.
	4.3.4	Produce or manage the production of detailed drawings, specifications and documentation suitable for building consent and construction.
	4.3.5	Update clients on timelines and costs.
	4.3.6	Demonstrate knowledge of conditions of contract and methods of procurement. <i>Examples of procurement may include but not limited to collaborative and complex contract structures.</i>
	4.3.7	Manage and produce detailed drawings, specifications and documentation suitable for building consent and construction.
		Competency 5: Manage construction phase design
		<i>This competency may be demonstrated by meeting some or all of the performance indicators in one or more of the following areas of practice.</i>
		Area of practice 1: Design 1 (Category 1 buildings)
		<i>This Competency does not apply at Design Area of practice 1</i>
		Area of practice 2: Design 2 (Category 1 and 2 buildings)
	5.2.1	Demonstrate knowledge of conditions of contract and methods of procurement. <i>May include but not limited to – knowledge of the standard conditions of contract used in the building industry, and common methods for the supply of goods and services.</i>
	5.2.2	Advise the client on construction project timelines and costs.
	5.2.3	Explain the processes of construction observation. <i>May include but not limited to – site meetings and inspections, reporting on compliance with construction documentation, conditions of contract, building consents and any changes required.</i>
	5.2.4	Explain the processes of contract administration. <i>May include but not limited to – monitoring compliance with</i>

		<i>contract requirements, providing supplementary contract documentation, planning and control of documents and records, managing variations to contract and progress claims, monitoring construction programme and costs, monitoring health and safety, record archiving, collation of as-built and compliance documentation, report and determine finalisation of contract.</i>
	5.2.5	Advise the building owner on occupation requirements. <i>May include but not limited to – applications for certificate for public use, code compliance certificate, food hygiene/preparation certificate.</i>
		Area of practice 3: Design 3 (Category 1, 2 and 3 buildings)
	5.3.1	Demonstrate knowledge of conditions of contract and methods of procurement. <i>May include but not limited to – knowledge of the standard conditions of contract used in the building industry, and common methods for the supply of goods and services.</i>
	5.3.2	Advise the client on construction project timelines and costs.
	5.3.3	Provide construction observation. <i>May include but not limited to – site meetings and inspections, coordinating specialist consultants, reporting on compliance with construction documentation, conditions of contract, building consents and any changes required.</i>
	5.3.4	Provide contract administration. <i>May include but not limited to – monitoring compliance with contract requirements, providing supplementary contract documentation, planning and control of documents and records, managing variations to contract and progress claims, monitoring construction programme and costs, monitoring health and safety, record archiving, collation of as-built and compliance documentation, report and determine finalisation of contract.</i>
	5.3.5	Advise the building owner on occupational requirements. <i>May include but not limited to – applications for certificate for public use, code compliance certificate, food hygiene/preparation certificate.</i>

Appendix 5 - External Plastering Licence Class – current competencies

Schedule 1

Licence Class Competencies

LICENSING CLASS		External Plastering
DESCRIPTOR:		This licensing class covers practitioners applying external solid plaster, or proprietary plaster systems to any category of building.
EXPLANATORY NOTE:		This licensing class includes Solid Plastering and Proprietary Plaster Cladding Systems (PPCS).
COMPETENCIES:		<p>Competency 1: Demonstrate knowledge of the regulatory environment of the building construction industry.</p> <p>Competency 2: Demonstrate knowledge of current external plastering trade practice.</p> <p>Competency 3: Carry out planning for external plastering work.</p> <p>Competency 4: Carry out external plastering work.</p> <p><i>These competencies may be demonstrated by meeting some or all of the following performance indicators.</i></p>
PERFORMANCE INDICATORS:		
Competency 1: Demonstrate knowledge of the regulatory environment of the building construction industry.		
	1.1	Explain the purpose of the Building Act, Building Code, Health and Safety in Employment Act, Resource Management Act, and their relationship with the construction process.
	1.2	Describe the key features of the Licensed Building Practitioner Scheme. <i>Includes but not limited to – the licensing classes, restricted building work, and accountability to the Building Practitioners Board.</i>

	1.3	Describe the roles and responsibilities of key parties involved in the design and building process. Roles may include but not limited to – licensed building practitioners (Design, Site, Specialist, Trade), engineers, other trades (e.g. electrical, plumbing, tiling), building consent authorities (BCAs), and clients.
	1.4	Describe how external plastering fits within the building consent process. <i>Includes but not limited to – trigger points for consent, application, inspection, code compliance certificates, and consequences of non-compliance.</i>
	1.5	Explain the importance of, and operate within scope of individual competence, and recognise when other expertise is required. <i>Includes but not limited to – the implications of the different external plastering areas of practice.</i>
Competency 2: Demonstrate knowledge of current external plastering trade practice.		
	2.1	Explain relevant technical external plastering terms and construction methods.
	2.2	Explain relevant external plastering methods and trade practice. For Solid Plastering, includes but not limited to: substrates, fixing centres, flashings, reinforcing, dissimilar cladding junctions, cladding clearances, control joints, mix design, raw materials, application, finishes, and curing. And/or For PPCS, includes but not limited to: substrates, fixing centres, flashings, reinforcing, dissimilar cladding junctions, cladding clearances, control joints, proprietary plastering materials, mixing procedures, application, finishes, and curing.
	2.3	Access and interpret relevant technical information. For Solid Plastering, may include but not limited to building plans and specifications, E2/AS1, NZS 4251, manufacturers' technical information. And/or For PPCS, may include but not limited to building plans and specifications, E2/AS1, manufacturers' technical information.
	2.4	Demonstrate knowledge of interactions with other trades. <i>May include but not limited to – carpentry, electrical, plumbing, tiling, drainlaying, gasfitting, excavating, bricklaying and blocklaying, roofing, landscaping, joinery, decorating, and waterproofing.</i>
	2.5	Describe safe working practices on site. <i>May include but not limited to – personal protective equipment, safety barriers, and scaffolding.</i>

	2.6	Describe the management of environmental issues on site. <i>May include but not limited to – site runoff (wash out water), building waste and hazardous materials disposal, alkali exposure, dust from operations.</i>
	2.7	Explain preliminary site set-up requirements. <i>May include but not limited to – access, site signage, temporary water and electricity, toilet, shed/store, phone, and scaffolding.</i>
Competency 3: Carry out planning for external plastering work.		
	3.1	Read and interpret working drawings, specifications, programme schedules. <i>May include but not limited to – position of control joints, and planning of workflows to suit site exposure. 3.2 Order and coordinate material supply to site. May include but not limited to – ability to measure, calculate and estimate quantities.</i>
Competency 4: Carry out external plastering work. <i>This competency may be demonstrated by meeting some or all of the performance indicators in one or more of the following areas of practice.</i>		
Area of practice 1: Solid Plastering		
	4.1.1	Work safely at all times. <i>May include but not limited to – personal protective equipment, safety barriers, and scaffolding.</i>
	4.1.2	Manage environmental issues on site. <i>May include but not limited to – site runoff (wash out water), building waste and hazardous materials disposal, alkali exposure, dust from operations, complying with the Resource Management Act requirements.</i>
	4.1.3	Comply with the requirements of current New Zealand Standards at all times. <i>Includes but not limited to NZS 4251.</i>
	4.1.4	Check and prepare existing and new solid surfaces for plastering.
	4.1.5	Check and prepare frame construction, substrate and reinforcing for plastering and apply scratch coat.

	4.1.6	Apply flanking coat to prepared walls and soffits.
	4.1.7	Apply plaster finishing coat to prepared interior and exterior surfaces.
	4.1.8	Plaster floors, steps, and landings. 4.1.9 Cure plastered surfaces.
Area of practice 2: Proprietary Plaster Cladding Systems (PPCS)		
	4.2.1.	Work safely at all times. <i>May include but not limited to – personal protective equipment, safety barriers, and scaffolding.</i>
	4.2.2	Manage environmental issues on site. <i>May include but not limited to – site runoff (wash out water), building waste and hazardous materials disposal, alkali exposure, dust from operations, complying with the Resource Management Act requirements.</i>
	4.2.3	Comply with the requirements of current system's specifications at all times.
	4.2.4	For Exterior Insulating Finishing System (EIFS). Check framing, set up, flash, measure, cut and fix substrate.
	4.2.5	For EIFS Check substrate, apply base coat, and reinforce.
	4.2.6	For rebated fibre cement Check substrate, apply jointing compound to rebated joint.
	4.2.7	For lightweight fibre cement Check substrate, apply base coat, and reinforce.
	4.2.8	For rebated fibre cement, lightweight fibre cement and EIFS Apply a proprietary levelling plaster to a solid substrate.

	4.2.9	For rebated fibre cement, lightweight fibre cement and EIFS Apply finishing coats to prepared proprietary plaster cladding substrates.
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Appendix 6 - External Plastering Licence Class - proposed competencies

Key to changes

Text deleted from current competencies is highlighted in yellow with strikethrough font, for example:

- **Competency 3: Carry out planning for external plastering work.**
- ~~Competency 4: Carry out external plastering work.~~

New text that has been added is highlighted in green, for example:

- This licensing class includes Solid Plastering, **Stucco**, and Proprietary Plaster Cladding Systems (PPCS).

Note that example text is indicative only and may not relate to this particular licence class.

Competencies and elements of competencies have been renumbered if text has been deleted or new text added.

**Schedule 1
Licence Class Competencies**

LICENSING CLASS		EXTERNAL PLASTERING
DESCRIPTOR:		This licensing class covers practitioners applying external solid plaster, or proprietary plaster systems to any category of building.
EXPLANATORY NOTE:		This licensing class includes Solid Plastering, Stucco , and Proprietary Plaster Cladding Systems (PPCS).
COMPETENCIES:		<p>Competency 1: Demonstrate knowledge of the regulatory environment of the building construction industry.</p> <p>Competency 2: Demonstrate knowledge of current external plastering trade practice.</p> <p>Competency 3: Carry out planning for external plastering work.</p> <p>Competency 4: Carry out external plastering work.</p> <p>Competency 4: Work safely</p> <p>Competency 5: Carry out external plastering work.</p>
		<i>These competencies may be demonstrated by meeting some or all of the following performance indicators.</i>
		Competency 1: Demonstrate knowledge of the regulatory environment of the building construction industry.
	1.1	Explain the purpose of the Building Act, Building Code, Health and Safety in Employment Act , Resource Management Act, and their relationship with the construction process.
	1.2	Describe the key features of the Licensed Building Practitioner Scheme. <i>Includes but not limited to - the licensing classes, restricted building work, and accountability to the Building Practitioners Board.</i>
	1.3	Describe the roles and responsibilities of key parties involved in the design and building process. <i>Roles may include but not limited to - licensed building practitioners (Design, Site, Specialist, Trade), engineers, other trades (e.g. electrical, plumbing, tiling), building consent authorities (BCAs), and clients.</i>

	1.4	Describe how external plastering fits within the building consent process. <i>Includes but not limited to - trigger points for consent, application, inspection, code compliance certificates, and consequences of non-compliance.</i>
	1.5	Explain the importance of, and operate within scope of individual competence, and recognise when other expertise is required. <i>Includes but not limited to - the implications of the different external plastering areas of practice.</i>
		Competency 2: Demonstrate knowledge of current external plastering trade practice.
	2.1	Explain relevant technical external plastering terms and construction methods.
	2.2	Explain relevant external plastering methods and trade practice. For Solid Plastering, includes but not limited to: substrates, fixing centres, flashings, reinforcing, dissimilar cladding junctions, cladding clearances, control joints, mix design, raw materials, application, finishes and curing. And/or For PPCS, includes but not limited to: substrates, fixing centres, flashings, reinforcing, dissimilar cladding junctions, cladding clearances, control joints, proprietary plastering materials, mixing procedures, application, finishes, and curing.
	2.3	Access and interpret relevant technical information. For Solid Plastering, may include but not limited to building plans and specifications, E2/AS1, NZS 4251, manufacturers' technical information. And/or For Stucco, may include but not limited to building plans and specifications, E2/AS1, NZS 4251. And/or For PPCS, may include but not limited to building plans and specifications, E2/AS1, manufacturers' technical information.
	2.4	Demonstrate knowledge of interactions with other trades. <i>May include but not limited to - carpentry, electrical, plumbing, tiling, drainlaying, gasfitting, excavating, bricklaying and blocklaying, roofing, landscaping, joinery, decorating, and waterproofing.</i>
	2.5	Describe safe working practices on site

		<i>May include but not limited to – personal protective equipment, safety barriers, and scaffolding.</i>
	2.5	Describe the management of environmental issues on site. <i>May include but not limited to - site runoff (wash out water), building waste and hazardous materials disposal.</i>
	2.6	Describe the management of environmental issues on site. <i>May include but not limited to – site runoff (wash out water), building waste and hazardous materials disposal.</i>
	2.6	Explain preliminary site set-up requirements. <i>May include but not limited to - access, site signage, temporary water and electricity, toilet, shed/store, phone, and scaffolding.</i>
	2.7	Explain preliminary site set-up requirements. <i>May include but not limited to – access, site signage, temporary water and electricity, toilet, shed/store, phone, and scaffolding.</i>
		Competency 3: Carry out planning for external plastering work.
	3.1	Read and interpret approved building consent documents, working drawings, specifications, programme schedules. <i>May include but not limited to – Building Consent Authority requirements, correct establishment of substrate and flashings, position of control joints, and planning of workflows to suit site exposure.</i>
	3.2	Order and coordinate material supply to site. <i>May include but not limited to - ability to measure, calculate and estimate quantities.</i>
		Competency 4: Carry out external plastering work.¹ <i>This competency may be demonstrated by meeting some or all of the performance indicators in one or more of the following areas of practice.</i>
	4.1	Work safely at all times. <i>May include but not limited to – personal protective</i>

¹ Note that with the introduction of the new Competency 4 'Work safely', the previous Competency 4 'Carry out external plastering work' becomes Competency 5.

		<i>equipment, safety barriers, and scaffolding.</i>
		Competency 4: Work safely
	4.1	Explain the purpose of the Health and Safety in Employment Act.
	4.2	Describe safe working practices on site. <i>May include but not limited to - personal protective equipment, safety barriers, scaffolding, alkali exposure, and dust from operations.</i>
	4.3	Work safely at all times. <i>May include but not limited to - taking part in 'tool box' meetings, having a Site Specific Safety Plan, keeping a hazard register</i>
		Competency 5: Carry out external plastering work.
		<i>This competency may be demonstrated by meeting some or all of the performance indicators in one or more of the following areas of practice.</i>
		Area of practice 1: Solid plastering / rendering over masonry
	4.1.1	Work safely at all times. <i>May include but not limited to - personal protective equipment, safety barriers, and scaffolding.</i>
	4.1.2	Manage environmental issues on site. 5.1.1 <i>May include but not limited to - site runoff (wash out water), building waste and hazardous materials disposal, alkali exposure, dust from operations, complying with the Resource Management Act requirements.</i>
	4.1.3	Where a building consent has been issued for the work, comply with the requirements of the approved building consent documents. 5.1.2
	5.1.3	Comply with the requirements of current New Zealand Standards or the current specification of the proprietary system being used. at all times. <i>Includes but not limited to NZS 4251.</i>
	5.1.4	Check and prepare existing and new solid surfaces for plastering and apply scratch coat.
	5.1.4	Check and prepare frame construction, substrate and reinforcing for plastering and apply scratch coat.
	5.1.5	Apply flanking coat to prepared walls and soffits.
	5.1.6	Apply plaster finishing coat to prepared interior and exterior surfaces.

		Plaster floors, steps, and landings.
	5.1.7	Cure plastered surfaces.
		Area of practice 2: Stucco²
	5.2.1	Manage environmental issues on site. <i>May include but not limited to - site runoff (wash out water), building waste and hazardous materials disposal, alkali exposure, dust from operations, complying with the Resource Management Act requirements.</i>
	5.2.2	Where a building consent has been issued for the work, comply with the requirements of the approved building consent documents.
	5.2.3	Comply with the requirements of current New Zealand Standards and Compliance Documents, at all times. <i>Includes but not limited to NZS 4251 and E2/AS1</i>
	5.2.4	Check and prepare existing and new solid surfaces for plastering. <i>Includes but not limited to frame construction, substrate installation, ground clearances, flashings, junctions with other materials.</i>
	5.2.5	Check and prepare frame construction, substrate and reinforcing for plastering, and apply scratch coat.
	5.2.6	Apply flanking coat to prepared surfaces. walls and soffits.
	5.2.7	Apply plaster finishing coat to prepared interior and exterior surfaces.
	5.2.8	Cure plastered surfaces.
		Area of practice 3: Proprietary Plaster Cladding Systems (PPCS)
	4.2.1 4.2.2 5.3.1	Manage environmental issues on site. <i>May include but not limited to - site runoff (wash out water), building waste and hazardous materials disposal, alkali exposure, dust from operations, complying with the Resource Management Act requirements.</i>
	5.3.2	Where a building consent has been issued for the work, comply with the requirements of the approved building consent documents.
	5.3.3	Comply with the requirements of the current specification for

² Note that this new area of practice is based on previous competency wording. Highlights show the differences in deleted and new text.

		the proprietary system being used. at all times.
	5.3.4	Check installation of substrate, ground clearances, and flashings, and junctions with other materials.
	5.3.5	For rebated fibre cement, Apply jointing compound to rebated joint as system requires.
	5.3.6	Apply base coat, and reinforce.
	5.3.7	Apply a proprietary levelling plaster to a solid substrate.
	5.3.8	Apply finishing coats to prepared proprietary plaster cladding substrates.

Feedback form

Submissions can be made by post or email to:

LBP Competencies Review
Attention: Ellen Davidson
Market Services Group
Ministry of Business, Innovation and Employment
P O Box 1473
WELLINGTON 6140

EMAIL ellen.davidson@mbie.govt.nz with any comments.

We need to receive all feedback on the proposals by **5pm, Friday 10 October 2014**.

Please provide feedback on any or all of the following proposed competencies. Use more space if necessary.

Bricklaying and Blocklaying

External Plastering

Design